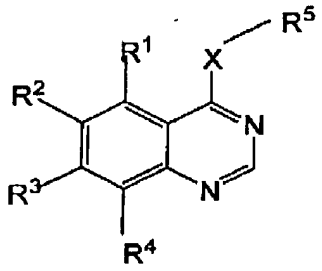
Application No.	10/088,856
Amendment Dated	02/21/2006
Reply to Office Action of	10/21/2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A compound of formula (I)

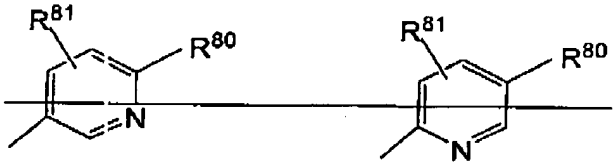


(I)

or a salt ~~or prodrug~~ thereof;

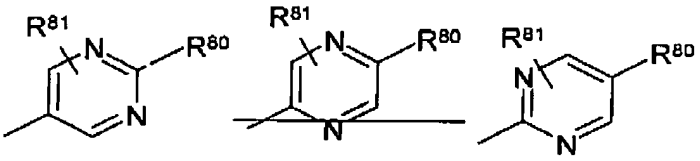
where X is O, or S, S(O), $S(O)_2$ or NR^6 where R^6 is hydrogen or C_{1-6}alkyl;

R^5 is ~~a group of sub-formula (i) or (ii)~~



(i) (ii)

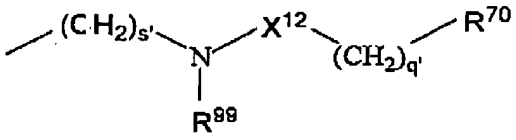
or a group of sub-formula (iii), ~~(iv)~~ or (v)



(iii) (iv) (v)

where R^{80} is ~~a substituent selected from~~

[[1)]]a group of sub-formula (II)



(II)

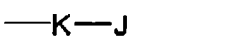
where q' is 0, 1, 2, 3 or 4;

s' is 0 or 1;

X^{12} is C(O) or $S(O_2)$,

R^{70} is hydrogen, hydroxy, C_{1-6}alkyl, C_{1-6}alkoxy, amino, *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino, hydroxyC_{2-6}alkoxy, C_{1-6}alkoxyC_{2-6}alkoxy, aminoC_{2-6}alkoxy, *N*-C_{1-6}alkylaminoC_{2-6}alkoxy, *N*,*N*-(C_{1-6}alkyl)$_2$aminoC_{2-6}alkoxy, or C_{3-7}cycloalkyl,

or R^{70} is of the Formula (III):

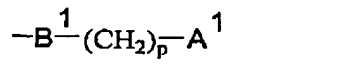


(III)

wherein J is aryl, heteroaryl or heterocyclyl and K is a bond, oxy, imino, *N*-(C_{1-6}alkyl)imino, oxyC_{1-6}alkylene, iminoC_{1-6}alkylene, *N*-(C_{1-6}alkyl)iminoC_{1-6}alkylene, -NHC(O)-, -SO_2NH-, -$NHSO_2$- or -NHC(O)-C_{1-6}alkylene-,

and any aryl, heteroaryl or heterocyclyl group in a R^{70} group is optionally substituted by one or more groups selected from hydroxy, oxo, halo, trifluoromethyl, cyano, mercapto, nitro, amino, carboxy, carbamoyl, formyl, sulphamoyl, C_{1-6}alkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}alkoxy, -O-(C_{1-3}alkyl)-O-, C_{1-6}alkylS(O)$_n$- [[()]]wherein n is 0-2[[)]], *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino, C_{1-6}alkoxycarbonyl, *N*-C_{1-6}alkylcarbamoyl, *N*,*N*-(C_{1-6}alkyl)$_2$carbamoyl, C_{2-6}alkanoyl, C_{1-6}alkanoyloxy, C_{1-6}alkanoylamino, *N*-C_{1-6}alkylsulphamoyl, *N*,*N*-(C_{1-6}alkyl)$_2$sulphamoyl, C_{1-6}alkylsulphonylamino and C_{1-6}alkylsulphonyl-*N*-(C_{1-6}alkyl)amino,

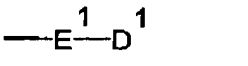
or any aryl, heteroaryl or heterocyclyl group in a R^{70} group is optionally substituted with one or more groups of the Formula (IV):



(IV)

wherein A^1 is halo, hydroxy, C_{1-6}alkoxy, cyano, amino, *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino, carboxy, C_{1-6}alkoxycarbonyl, carbamoyl, *N*-C_{1-6}alkylcarbamoyl or *N*,*N*-(C_{1-6}alkyl)$_2$carbamoyl, p is 1 - 6, and B^1 is a bond, oxy, imino, *N*-(C_{1-6}alkyl)imino or -NHC(O)-, with the proviso that p is 2 or more unless B^1 is a bond or -NHC(O)-;

or any aryl, heteroaryl or heterocyclyl group in a R^{70} group is optionally substituted with one or more groups of the Formula (V):



(V)

wherein D^1 is aryl, heteroaryl or heterocyclyl and E^1 is a bond, C_{1-6}alkylene, oxyC_{1-6}alkylene, oxy, imino, *N*-(C_{1-6}alkyl)imino, iminoC_{1-6}alkylene, *N*-(C_{1-6}alkyl)-iminoC_{1-6}alkylene, C_{1-6}alkylene-oxyC_{1-6}alkylene, C_{1-6}alkylene-iminoC_{1-6}alkylene, C_{1-6}alkylene-*N*-(C_{1-6}alkyl)-iminoC_{1-6}alkylene, -NHC(O)-, -$NHSO_2$-, -SO_2NH- or

-NHC(O)-C_{1-6}alkylene-, and any aryl, heteroaryl or heterocyclyl group in a R^{70} group ~~substituent on R^6~~ is optionally substituted with one or more groups selected from hydroxy, halo, C_{1-6}alkyl, C_{1-6}alkoxy, carboxy, C_{1-6}alkoxycarbonyl, carbamoyl, *N*-C_{1-6}alkylcarbamoyl, *N*-(C_{1-6}alkyl)$_2$carbamoyl, C_{2-6}alkanoyl, amino, *N*-C_{1-6}alkylamino and *N*,*N*-(C_{1-6}alkyl)$_2$amino, and any C_{3-7}cycloalkyl or heterocyclyl group in a R^{70} group is optionally substituted with one or two oxo or thioxo substituents,

and any of the R^{70} groups defined hereinbefore which comprises a CH_2 group which is attached to 2 carbon atoms or a CH_3 group which is attached to a carbon atom may optionally bear on each said CH_2 or CH_3 group a substituent selected from hydroxy, amino, C_{1-6}alkoxy, *N*-C_{1-6}alkylamino, *N*,*N*-(C_{1-6}alkyl)$_2$amino and heterocyclyl;

or R^{70} may be cycloalkenyl or alkenyl optionally substituted by aryl;

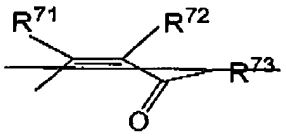
and R^{99} is hydrogen or a group C(O)R^{70} where R^{70} is as defined above;

~~2) a group of sub-formula (d)~~

~~$-X^{10}(CH_2)_p-X^{11}R^{100}$ (d)~~

~~where p' is 1-3, X^{10} and X^{11} are independently selected from a bond, -O-, -S- or NR^{101}- where R^{101} is hydrogen or a C_{1-3}alkyl, provided that one of X^{10} or X^{11} is a bond; and R^{100} is optionally substituted hydrocarbyl or optionally substituted heterocyclyl, wherein any optional substituents are functional groups;~~

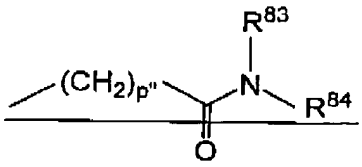
~~3) a group of formula (VI)~~



~~(VI)~~

~~where R^{71} and R^{72} are independently selected from hydrogen or C_{1-4}alkyl, or R^{71} and R^{72} together form a bond, and R^{73} is a group -OR^{74}, -NR^{75}R^{76} where R^{74}, R^{75} and R^{76} are independently selected from optionally substituted hydrocarbyl or optionally substituted heterocyclic groups, and R^{75} and R^{76} may additionally form together with the nitrogen atom to which they are attached, an aromatic or non-aromatic heterocyclic ring which may contain further heteroatoms, wherein suitable optional substituents for hydrocarbyl or heterocyclic groups R^{74}, R^{75} and R^{76} include functional groups and heterocyclic groups R^{74}, R^{75} and R^{76} may further be substituted by a hydrocarbyl group; and~~

~~4) a group of sub-formula (f)~~



(f)

~~where p" is 0 or 1 and R^{83} and R^{84} are independently selected from hydrogen, optionally substituted hydrocarbyl or optionally substituted heterocyclyl, or R^{83} and R^{84} together with the nitrogen atom to which they are attached form an optionally substituted heterocyclic ring and where optional substituents for hydrocarbyl or heterocyclic groups R^{83} and R^{84} include functional groups and heterocyclic groups R^{83} or R^{84} may further be substituted by a hydrocarbyl group;~~
and

R^{81} is hydrogen, halo, C_{1-4}alkoxy, cyano, trifluoromethyl, or phenyl, and

R^1, R^2, R^3, R^4 are independently selected from halogeno, cyano, nitro, C_{1-3}alkylsulphanyl, -N(OH)R^7- [[()]wherein R^7 is hydrogen, or C_{1-3}alkyl[[)]], or R^9X^1- [[()]wherein X^1 represents a direct bond, -O-, -CH_2-, -OC(O)-, -C(O)-, -S-, -SO-, -SO_2-, -NR^{10}C(O)-, -C(O)NR^{11}-, -SO_2NR^{12}-, -$NR^{13}SO_2$- or -NR^{14}-, [[()]wherein R^{10}, R^{11}, R^{12}, R^{13} and R^{14} each independently represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[))]], provided that at least one of R^1, R^2, R^3 and R^4 is a group R^9X^1- and R^9 is selected from one of the following groups: provided that at least one of R^2 or R^3 is other than hydrogen;

1) hydrogen or C_{1-5}alkyl which may be unsubstituted or which may be substituted with one or more groups selected from hydroxy, oxiranyl, fluoro, chloro, bromo and amino ~~(including C_{1-3}alkyl and trifluoromethyl)~~;

2) -R^aX^2C(O)R^{15} [[()]wherein X^2 represents -O- or -NR^{16}- [[()]in which R^{16} represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[)]] and R^{15} represents C_{1-3}alkyl, -$NR^{17}R^{18}$ or -OR^{19} [[()]wherein R^{17}, R^{18} and R^{19} which may be the same or different each represents hydrogen, C_{1-5}alkyl, hydroxyC_{1-5}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[))]];

3) -$R^bX^3R^{20}$ [[()]wherein X^3 represents -O-, C(O) -S-, -SO-, -SO_2-, -OC(O)-, -$NR^{21}C(O)_s$-, -C(O)NR^{22}-, -SO_2NR^{23}-, -$NR^{24}SO_2$- or -NR^{25}- [[()]wherein R^{21}, R^{22}, R^{23}, R^{24} and R^{25} each independently represents hydrogen, C_{1-3}alkyl, hydroxy C_{1-4}alkyl or C_{1-3}alkoxyC_{2-3}alkyl and s is 1 or 2[[)]] and R^{20} represents hydrogen, C_{1-6}alkyl, C_{2-6}alkenyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl or a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which C_{1-6}alkyl group may bear 1, 2 or 3 substituents selected from oxo, hydroxy, halogeno, cyclopropyl, amino, C_{1-4}alkylamino,

C_{1-4}alkanoyldi-C_{1-4}alkylamino, C_{1-4}alkylthio, C_{1-4}alkoxy and which cyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, cyano, C_{1-4}cyanoalkyl, C_{1-4}alkyl, C_{1-4}hydroxyalkyl, C_{1-4}alkoxy, C_{1-4}alkoxyC_{1-4}alkyl, C_{1-4}alkylsulphonylC_{1-4}alkyl, C_{1-4}alkoxycarbonyl, C_{1-4}aminoalkyl, C_{1-4}alkylamino, di(C_{1-4}alkyl)amino, C_{1-4}alkylaminoC_{1-4}alkyl, di(C_{1-4}alkyl)aminoC_{1-4}alkyl, C_{1-4}alkylaminoC_{1-4}alkoxy, di(C_{1-4}alkyl)aminoC_{1-4}alkoxy and a group $-(-O-)_f(R^{b'})_gD$ [[()]wherein f is 0 or 1, g is 0 or 1 and D is a C_{3-6}cycloalkyl group or a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from C_{1-4}alkyl[[))]];

4) $-R^cX^4R^{c'}X^5R^{28}$ [[()]wherein X^4 and X^5 which may be the same or different are each -O-, C(O), -S-, -SO-, $-SO_2-$, $-NR^{27}C(O)_s-$, $-C(O)_sNR^{28}-$, $-SO_2NR^{29}-$, $-NR^{30}SO_2-$ or $-NR^{31}-$ [[()]wherein R^{27}, R^{28}, R^{29}, R^{30} and R^{31} each independently represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl and s is 1 or 2[[)]] and R^{28} represents hydrogen, C_{1-3}alkyl, hydroxyC_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[)]];

5) R^{32} [[()]wherein R^{32} is a 4-6-membered cycloalkyl or saturated heterocyclic ring, [[()]linked via carbon or nitrogen,[[)]] with 1-2 heteroatoms, selected independently from O, S and N, which cycloalkyl or heterocyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, cyano, C_{1-4}alkyl, hydroxyC_{1-4}alkyl, cyanoC_{1-4}alkyl, cyclopropyl, C_{1-4}alkylsulphonylC_{1-4}alkyl, C_{1-4}alkoxycarbonyl, carboxamido, C_{1-4}aminoalkyl, C_{1-4}alkylamino, di(C_{1-4}alkyl)amino, C_{1-4}alkylaminoC_{1-4}alkyl, C_{1-4}alkanoyl, di(C_{1-4}alkyl)aminoC_{1-4}alkyl, C_{1-4}alkylaminoC_{1-4}alkoxy, di(C_{1-4}alkyl)aminoC_{1-4}alkoxy nitro, amino, C_{1-4}alkoxy, C_{1-4}hydroxyalkoxy, carboxy, trifluoromethyl, $-C(O)NR^{38}R^{39}$, $-NR^{40}C(O)R^{41}$, [[()]wherein R^{38}, R^{39}, R^{40} and R^{41}, which may be the same or different, each represents hydrogen, C_{1-4}alkyl, hydroxyC_{1-4}alkyl or C_{1-3}alkoxyC_{2-3}alkyl,[[)]] and a group $-(-O-)_f(C_{1-4}alkyl)_g$ringD [[()]wherein f is 0 or 1, g is 0 or 1 and ring D is a cyclic group selected from C_{3-6}cycloalkyl, aryl or 5-6-membered saturated or unsaturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from halo and C_{1-4}alkyl[[)]];

6) $-R^dR^{32}$ [[()]wherein R^{32} is as defined hereinbefore[[)]];

7) $-R^eR^{32}$ [[()]wherein R^{32} is as defined hereinbefore[[)]];

8) $-R^fR^{32}$ [[()]wherein R^{32} is as defined hereinbefore[[)]];

9) R^{33} [[()]wherein R^{33} represents a pyridone group, a phenyl group or a 5-6-membered aromatic heterocyclic group, [[()]linked via carbon or nitrogen,[[)]] with 1-3 heteroatoms selected from O, N and S, which pyridone, phenyl or aromatic heterocyclic group may carry up to 5 substituents selected from hydroxy, nitro, halogeno, amino, C_{1-4}alkyl, C_{1-4}alkoxy, C_{1-4}hydroxyalkyl, C_{1-4}aminoalkyl, C_{1-4}alkylamino, C_{1-4}hydroxyalkoxy, oxo, cyanoC_{1-4}alkyl, cyclopropyl,

C_{1-4}alkylsulphonylC_{1-4}alkyl, C_{1-4}alkoxycarbonyl, di(C_{1-4}alkyl)amino, C_{1-4}alkylaminoC_{1-4}alkyl, C_{1-4}alkanoyl, di(C_{1-4}alkyl)aminoC_{1-4}alkyl, C_{1-4}alkylaminoC_{1-4}alkoxy, di(C_{1-4}alkyl)aminoC_{1-4}alkoxy, carboxy, carboxamido, trifluoromethyl, cyano, $-C(O)NR^{38}R^{39}$, $-NR^{40}C(O)R^{41}$, [[(]]wherein R^{38}, R^{39}, R^{40} and R^{41}, which may be the same or different, each represents hydrogen, C_{1-4}alkyl, hydroxyC_{1-4}alkyl or C_{1-3}alkoxyC_{2-3}alkyl,[[)]] and a group $-(-O-)_f(C_{1-4}alkyl)_g$ringD [[(]]wherein f is 0 or 1, g is 0 or 1 and ring D is a cyclic group selected from C_{3-6}cycloalkyl, aryl or 5-6-membered saturated or unsaturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from halo and C_{1-4}alkyl[[)]];

10) $-R^9R^{33}$ [[(]]wherein R^{33} is as defined hereinbefore[[)]];

11) $-R^hR^{33}$ [[(]]wherein R^{33} is as defined hereinbefore[[)]];

12) $-R^i R^{33}$ [[(]]wherein R^{33} is as defined hereinbefore[[)]];

13) $-R^j X^6R^{33}$ [[(]]wherein X^6 represents -O-, -C(O)-, -S-, -SO-, $-SO_2$-, -OC(O)-, $-NR^{38}C(O)$-, $-C(O)NR^{39}$-, $-SO_2NR^{40}$-, $-NR^{41}SO_2$- or $-NR^{42}$-, [[(]]wherein R^{38}, R^{39}, R^{40}, R^{41} and R^{42} each independently represents hydrogen, C_{1-3}alkyl, hydroxyC_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl,[[)]] and R^{33} is as defined hereinbefore[[)]];

$-R^kX^7R^{33}$ [[(]]wherein X^7 represents -O-, C(O), -S-, -SO-, $-SO_2$-, $-NR^{43}C(O)$-, $-C(O)NR^{44}$-, $-SO_2NR^{45}$-, $-NR^{46}SO_2$- or $-NR^{47}$-, [[(]]wherein R^{43}, R^{44}, R^{45}, R^{46} and R^{47} each independently represents hydrogen, C_{1-3}alkyl, hydroxyC_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl,[[)]] and R^{33} is as defined hereinbefore[[)]];

$-R^mX^8R^{33}$ [[(]]wherein X^8 represents -O-, -C(O)-, -S-, -SO-, $-SO_2$-, $-NR^{48}C(O)$-, $-C(O)NR^{49}$-, $-SO_2NR^{50}$-, $-NR^{51}SO_2$- or $-NR^{52}$-, [[(]]wherein R^{48}, R^{49}, R^{50}, R^{51} and R^{52} each independently represents hydrogen, C_{1-3}alkyl, hydroxyC_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl,[[)]] and R^{33} is as defined hereinbefore[[)]];

16) $-R^n X^9R^{n'}R^{33}$ [[(]]wherein X^9 represents -O-, -C(O)-, -S-, -SO-, $-SO_2$-, $-NR^{53}C(O)$-, $-C(O)NR^{54}$-, $-SO_2NR^{55}$-, $-NR^{56}SO_2$- or $-NR^{57}$-, [[(]]wherein R^{53}, R^{54}, R^{55}, R^{56} and R^{57} each independently represents hydrogen, C_{1-3}alkyl, hydroxyC_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl,[[)]] and R^{33} is as defined hereinbefore[[)]];

17) $-R^pX^9-R^pR^{32}$ [[(]]wherein X^9 and R^{32} are as defined hereinbefore[[)]];

18) C_{2-5}alkenyl which may be unsubstituted or which may be substituted with one or more groups selected from hydroxy, fluoro, amino, C_{1-4}alkylamino, N,N-di(C_{1-4}alkyl)amino, aminosulphonyl, N-C_{1-4}alkylaminosulphonyl and N,N-di(C_{1-4}alkyl)aminosulphonyl;

19) C_{2-6}alkynyl which may be unsubstituted or which may be substituted with one or more groups selected from hydroxy, fluoro, amino, C_{1-4}alkylamino, N,N-di(C_{1-4}alkyl)amino, aminosulphonyl, N-C_{1-4}alkylaminosulphonyl and N,N-di(C_{1-4}alkyl)aminosulphonyl;
20) $-R^tX^9R^{t'}R^{32}$ [[(]]wherein X^9 and R^{32} are as defined hereinbefore[[)]];
21) $-R^uX^9R^{u'}R^{32}$ [[(]]wherein X^5 and R^{32} are as defined hereinbefore[[)]]; and
22) $-R^vR^{58}(R^{v'})_q(X^9)_rR^{59}$ [[(]]wherein X^9 is as defined hereinbefore, q is 0 or 1, r is 0 or 1, and R^{58} is a C_{1-3}alkylene group or a cyclic group selected from cyclopropyl, cyclobutyl, cyclopentylene, cyclohexylene or a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which C_{1-3}alkylene group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno and C_{1-4}alkoxy and which cyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, cyano, C_{1-4}cyanoalkyl, C_{1-4}alkyl, C_{1-4}hydroxyalkyl, C_{1-4}alkoxy, C_{1-4}alkoxyC_{1-4}alkyl, C_{1-4}alkylsulphonylC_{1-4}alkyl, C_{1-4}alkoxycarbonyl, C_{1-4}aminoalkyl, C_{1-4}alkylamino, di(C_{1-4}alkyl)amino, C_{1-4}alkylaminoC_{1-4}alkyl, di(C_{1-4}alkyl)aminoC_{1-4}alkyl, C_{1-4}alkylaminoC_{1-4}alkoxy, di(C_{1-4}alkyl)aminoC_{1-4}alkoxy and a group $-(-O-)_f(C_{1-4}$alkyl$)_g$ringD [[(]]wherein f is 0 or 1, g is 0 or 1 and ring D is a cyclic group selected from C_{3-6}cycloalkyl, aryl or 5-6-membered saturated or unsaturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from halo and C_{1-4}alkyl[[)]]; and R^{59} is hydrogen, C_{1-3}alkyl, or a cyclic group selected from cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl and a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which C_{1-3}alkyl group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, C_{1-4}alkoxy and which cyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, cyano, C_{1-4}cyanoalkyl, C_{1-4}alkyl, C_{1-4}hydroxyalkyl, C_{1-4}alkoxy, C_{1-4}alkoxyC_{1-4}alkyl, C_{1-4}alkylsulphonylC_{1-4}alkyl, C_{1-4}alkoxycarbonyl, C_{1-4}aminoalkyl, C_{1-4}alkylamino, di(C_{1-4}alkyl)amino, C_{1-4}alkylaminoC_{1-4}alkyl, di(C_{1-4}alkyl)aminoC_{1-4}alkyl, C_{1-4}alkylaminoC_{1-4}alkoxy, di(C_{1-4}alkyl)aminoC_{1-4}alkoxy and a group $-(-O-)_f(C_{1-4}$alkyl$)_g$ringD [[(]]wherein f is 0 or 1, g is 0 or 1 and D is a cyclic group selected from C_{3-6}cycloalkyl, aryl or 5-6-membered saturated or unsaturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from halo and C_{1-4}alkyl[[)]];
and wherein R^a, R^b, $R^{b'}$, R^c, $R^{c'}$, R^d, R^g, R^j, R^n, $R^{n'}$ R^p, $R^{p'}$, R^r, R^u, R^v and $R^{v'}$ are independently selected from C_{1-8}alkylene groups optionally substituted by one or more substituents selected from hydroxy, halogeno, amino,

R^g R^h, R^k and R^l are independently selected from C_{2-8}alkenylene groups optionally substituted by one or more substituents selected from hydroxy, halogeno, amino, and R^t may additionally be a bond; and

R^f, R^i, R^m and R^u are independently selected from by C_{2-8}alkynylene groups optionally substituted by one or more substituents selected from hydroxy, halogeno, amino; and

where a functional group is selected from nitro, cyano, halo, oxo, $=CR^{78}R^{79}$, $C(O)_xR^{77}$, OR^{77}, $S(O)_yR^{77}$, $NR^{78}R^{79}$, $C(O)NR^{78}R^{79}$, $OC(O)NR^{78}R^{79}$, $=NOR^{77}$, $-NR^{77}C(O)_xR^{78}$, $-NR^{77}CONR^{78}R^{79}$, $-N=CR^{78}R^{79}$, $S(O)_yNR^{78}R^{79}$ or $-NR^{77}S(O)_yR^{78}$ where R^{77}, R^{78} and R^{79} are independently selected from hydrogen, optionally substituted hydrocarbyl, optionally substituted heterocyclyl or optionally substituted alkoxy, or R^{78} and R^{79} together form an optionally substituted ring which optionally contains further heteroatoms such as oxygen, nitrogen, S, S(O) or $S(O)_2$, where x is an integer of 1 or 2, y is 0 or an integer of 1-3 and where hydrocarbyl, heterocyclyl or alkoxy groups R^{77}, R^{78} and R^{79} as well as rings formed by R^{78} and R^{79} are optionally substituted by halo, perhaloalkyl, mercapto, alkylthio, hydroxy, carboxy, alkoxy, heteroaryl, heteroaryloxy, cycloalkyl, cycloalkenyl, cycloalkynyl, alkenyloxy, alkynyloxy, alkoxyalkoxy, aryloxy [[(]]where the aryl group may be substituted by halo, nitro, or hydroxy[[)]], cyano, nitro, amino, mono- or di-alkyl amino, oximino or $S(O)_yR^{90}$ where y is 0 or an integer of 1-3 and R^{90} is a alkyl; and

wherein hydrocarbyl is selected from alkyl, alkenyl, alkynyl, aryl, aralkyl, cycloalkyl, cycloalkenyl, or combinations thereof.

2-5. (Canceled)

6. (Currently amended) A compound according to claim 1 wherein R^1, R^2, R^3, R^4 are independently selected from, halo, cyano, nitro, trifluoromethyl, C_{1-3}alkyl, ~~$-NR^7R^8$ (wherein R^7 and R^8, which may be the same or different, each represents hydrogen or C_{1-3}alkyl),~~ or other groups from formula $-X^1R^9$ [[(]]wherein X^1 represents a direct bond, -O-, $-CH_2-$, -OCO-, carbonyl, -S-, -SO-, $-SO_2-$, $-NR^{10}CO-$, $-CONR^{11}-$, $-SO_2NR^{12}-$, $-NR^{13}SO_2-$ or $-NR^{14}-$, [[(]]wherein R^{10}, R^{11}, R^{12}, R^{13} and R^{14} each independently represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[)]], and R^9 is selected from one of the following groups:

1') hydrogen or C_{1-5}alkyl which may be unsubstituted or which may be substituted with one or more groups selected from hydroxy, fluoro or amino,

2') C_{1-5}alkyl$X^2C(O)R^{15}$ [[(]]wherein X^2 represents -O- or $-NR^{16}-$ [[(]]In which R^{15} represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[)]] and R^5 represents C_{1-3}alkyl, $-NR^{17}R^{18}$ or $-OR^{19}$

[[()]wherein R^{17}, R^{18} and R^{19} which may be the same or different each represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[)]];

3') C_{1-5}alkylX^3R^{20} [[()]wherein X^3 represents -O-, -S-, -SO-, -SO_2-, -OCO-, -NR^{21}CO-, -$CONR^{22}$-, -SO_2NR^{23}-, -$NR^{24}SO_2$- or -NR^{25}-, [[()]wherein R^{21}, R^{22}, R^{23}, R^{24} and R^{25} each independently represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[)]] and R^{20} represents hydrogen, C_{1-3}alkyl, cyclopentyl, cyclohexyl or a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which C_{1-3}alkyl group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno and C_{1-4}alkoxy and which cyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, C_{1-4}alkyl, C_{1-4}hydroxyalkyl and C_{1-4}alkoxy[[)]];

4') C_{1-5}alkylX^4C_{1-5}alkylX^5R^{26} [[()]wherein X^4 and X^5 which may be the same or different are each -O-, -S-, -SO-, -SO_2-, -NR^{27}CO-, -$CONR^{28}$-, -SO_2NR^{29}-, -$NR^{30}SO_2$- or -NR^{31}-, [[()]wherein R^{27}, R^{28}, R^{29}, R^{30} and R^{31} each independently represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[)]] and R^{26} represents hydrogen or C_{1-3}alkyl[[)]];

5') R^{32} [[()]wherein R^{32} is a 5-6-membered saturated heterocyclic group, [[()]linked via carbon or nitrogen,[[)]] with 1-2 heteroatoms, selected independently from O, S and N, which heterocyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, C_{1-4}alkyl, C_{1-4}hydroxyalkyl, C_{1-4}alkoxy, C_{1-4}alkoxyC_{1-4}alkyl and C_{1-4}alkylsulphonylC_{1-4}alkyl[[)]];

6') C_{1-5}alkylR^{32} [[()]wherein R^{32} is as defined in (5') above[[)]];

7') C_{2-5}alkenylR^{32} [[()]wherein R^{32} is as defined in (5') above[[)]];

8') C_{2-5}alkynylR^{32} [[()]wherein R^{32} is as defined in (5') above[[)]];

9') R^{33} [[()]wherein R^{33} represents a pyridone group, a phenyl group or a 5-6-membered aromatic heterocyclic group, [[()]linked via carbon or nitrogen,[[)]] with 1-3 heteroatoms selected from O, N and S, which pyridone, phenyl or aromatic heterocyclic group may carry up to 5 substituents on an available carbon atom selected from hydroxy, halogeno, amino, C_{1-4}alkyl, C_{1-4}alkoxy, C_{1-4}hydroxyalkyl, C_{1-4}aminoalkyl, C_{1-4}alkylamino, C_{1-4}hydroxyalkoxy, carboxy, trifluoromethyl, cyano, -$CONR^{34}R^{35}$ and -$NR^{36}COR^{37}$, [[()]wherein R^{34}, R^{35}, R^{36} and R^{37}, which may be the same or different, each represents hydrogen, C_{1-4}alkyl or C_{1-3}alkoxyC_{2-3}alkyl[[)]]];

10') C_{1-5}alkylR^{33} [[()]wherein R^{33} is as defined in (9') above[[)]];

11') C_{2-5}alkenylR^{33} [[()]wherein R^{33} is as defined in (9') above[[)]];

12') C_{2-5}alkynylR^{33} [[()]wherein R^{33} is as defined in (9') above[[)]];

13') C_{1-5}alkylX^6R^{33} [[()]wherein X^6 represents -O-, -S-, -SO-, -SO_2-, -NR^{38}CO-, -$CONR^{39}$-, -SO_2NR^{40}-, -$NR^{41}SO_2$- or -NR^{42}-, [[()]wherein R^{38}, R^{39}, R^{40}, R^{41} and R^{42} each independently represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl,[[)]] and R^{33} is as defined hereinbefore[[)]];

14') C_{2-5}alkenylX^7R^{33} [[()]wherein X^7 represents -O-, -S-, -SO-, $-SO_2$-, $-NR^{43}CO$-, $-CONR^{44}$-, $-SO_2NR^{45}$-, $-NR^{46}SO_2$- or $-NR^{47}$-$_1$ [[()]wherein R^{43}, R^{44}, R^{45}, R^{46} and R^{47} each independently represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl$_1$[()]] and R^{33} is as defined hereinbefore[()]];
15') C_{2-5}alkynylX^8R^{33} [[()]wherein X^8 represents -O-, -S-, -SO-, $-SO_2$-, $-NR^{48}CO$-, $-C(O)NR^{49}$-, $-SO_2NR^{50}$-, $-NR^{51}SO_2$- or $-NR^{52}$-$_1$ [[()]wherein R^{48}, R^{49}, R^{50}, R^{51} and R^{52} each independently represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl$_1$[()]] and R^{33} is as defined hereinbefore[()]];
16') C_{1-3}alkylX^9C_{1-3}alkylR^{33} [[()]wherein X^9 represents -O-, -S-, -SO-, $-SO_2$-, $-NR^{53}CO$-, $-C(O)NR^{54}$-, $-SO_2NR^{55}$-, $-NR^{56}SO_2$- or $-NR^{57}$-$_1$ [[()]wherein R^{53}, R^{54}, R^{55}, R^{56} and R^{57} each independently represents hydrogen, C_{1-3}alkyl or C_{1-3}alkoxyC_{2-3}alkyl$_1$[()]] and R^{33} is as defined hereinbefore[()]]; and
17') C_{1-3}alkylX^9C_{1-3}alkylR^{32} [[()]wherein X^9 and R^{32} are as defined in (5') above[()]], provided that at least one of R^2 or R^3 is other than hydrogen.

7. (Previously presented) A compound according to claim 1, where R^1 is hydrogen and R^4 is hydrogen, halo, C_{1-4}alkyl or C_{1-4}alkoxy.

8-9. (Canceled)

10. (Currently amended) A compound according to claim 1 or claim 7 wherein R^3 is a group X^1R^9 where X^1 is oxygen ~~and R^9 includes a methylene group directly adjacent to X^1~~.

11. (Cancelled)

12. (Currently amended) A compound according to claim [[1]]Z wherein R^9 is selected from a group (1), (3), (6) or (10).

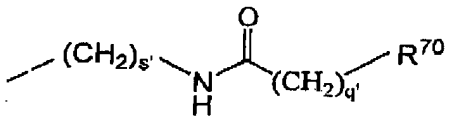
13. (Previously presented) A compound according to claim 12 wherein X is NH or O.

14-17. (Canceled)

18. (Previously presented) A compound according to claim 13 wherein R^5 is a group of formula (iii).

19-20. (Canceled)

21. (Currently amended) A compound according to claim 13 wherein R^{80} is a group of sub formula (II) which is a group of formula (IIA)



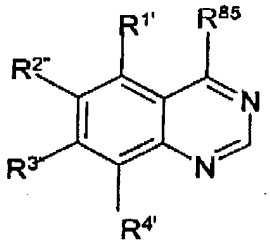
(IIA)

where s', q' and R^{70} are as defined in claim 1.

22. (Previously presented) A compound according to claim 1 or claim 21 wherein R^{80} includes a group R^{70} and said group is phenyl optionally substituted by halo.

23-25. (Cancelled)

26. (Withdrawn) A method for preparing a compound of formula (I) as defined in claim 1, which method comprises reacting a compound of formula (VII)



(VII)

where $R^{1'}$, $R^{2''}$, $R^{3''}$, and $R^{4'}$ are equivalent to a group R^1, R^2, R^3 and R^4 as defined in relation to formula (I), and R^{85} is a leaving group, with a compound of formula (VIII)

$$H\text{-}X\text{-}R^5 \qquad \text{(VIII)}$$

where X and R^5 are as defined in relation to formula (I).

27- 28. (Canceled)

29. (Currently amended) A pharmaceutical composition comprising a compound according to any one of claims 1, 7, 12, 18 or 34 6 or salt ~~or prodrug~~ thereof, in combination with a pharmaceutically acceptable carrier.

30. (Canceled)

31. (Previously presented) A compound according to claim 1 wherein both R^1 and R^4 are hydrogen.

32. (Previously presented) A compound according to claim 12 wherein one of R^2 or R^3 is 3-morpholinopropoxy.

33-36. (Cancelled)

37. (Currently amended) A method for treating colorectal or breast cancer in a warm blooded animal, such as man, in need of such treatment, which comprises administering to said animal an effective amount of a compound according to claim 1, or salt ~~or prodrug~~ thereof.